

a range of from about 20 to about 250 parts filler per hundred parts of said polyolefin composition; and

- b) said second layer comprising a polymer-based film [material selected from the group consisting of films, fibers, and combinations thereof];

wherein said first and said second layers have been simultaneously passed between at least one pair of interdigitating grooved rollers, wherein said interdigitating rollers are heated to a surface temperature of from 160° F to 220° F to produce a film composite having [so that said film composite has] a WVTR greater than 200 g/m²/day at 38°C and 90% relative humidity.

20. The film composite of claim 19 wherein the WVTR is greater than 1000 g/m²/day at 38°C and 90% relative humidity.

21. The film composite of claim 19 wherein at least said first layer has been embossed to impose thereon a pattern of multiple film thickness prior to having been passed between said at least one pair of interdigitating grooved rollers.

22. (Amended) The film composite of claim 19 wherein said polyolefin composition of said first polyolefin film is selected from the group consisting of [homopolymers; and copolymers of] polyethylene and polypropylene, and combinations thereof.

23. The film composite of claim 22 wherein said polyolefin composition of said first polyolefin film further comprises a second polymer selected from the group consisting of elastomers and plastomers, and combinations thereof.

24. The film composite of claim 23 wherein said elastomer is selected from the group consisting of styrene-isoprene-styrene and styrene-butadiene-styrene, and combinations thereof.

25. (Amended) [The film composite of claim 19 wherein said] A breathable film composite having at least a first layer bonded to a second layer:

- a) said first layer comprising a first polyolefin film, said first polyolefin film comprising a polyolefin composition and a filler, said filler concentration being in a range of from about 20 to about 250 parts filler per hundred parts of said polyolefin composition; and
- b) said second layer comprising a material [of said second layer is] selected from the group consisting of woven fabric, non-woven fabric, knit fabric, and combinations thereof;

wherein said first and said second layers have been simultaneously passed between at least one pair of interdigitating grooved rollers, wherein said interdigitating rollers are heated to a surface temperature of from 160° F to 220° F to produce a film composite having a WVTR greater than 200 g/m²/day at 38°C and 90% relative humidity.

26. (Amended) [The film composite of claim 19 wherein said] A breathable film composite having at least a first layer bonded to a second layer:

- a) said first layer comprising a first polyolefin film, said first polyolefin film comprising a polyolefin composition and a filler, said filler concentration being in a range of from about 20 to about 250 parts filler per hundred parts of said polyolefin composition; and
- b) said second layer comprising a material [of said second layer is] selected from the group consisting of apertured film, three-dimensional formed film, film laminates, a second polyolefin film, and combinations thereof;

wherein said first and said second layers have been simultaneously passed between at least one pair of interdigitating grooved rollers, wherein said interdigitating rollers are heated to a surface temperature of from 160° F to 220° F to produce a film composite having a WVTR greater than 200 g/m²/day at 38°C and 90% relative humidity.

27. (Amended) The film composite of claim 26 wherein said material of said second layer is formed from a polymer composition comprising (i) a polyolefin selected from the group consisting of [homopolymers and copolymers of] polyethylene and polypropylene, and combinations thereof, and (ii) a filler in a concentration of from about 20 to about 250 parts filler per hundred parts of said polymer composition.

28. The film composite of claim 27 wherein at least said second layer has been embossed to impose thereon a pattern of multiple film thickness prior to having been passed between said at least one pair of interdigitating grooved rollers.

29. (New) The film composite of claim 19 wherein the composite contacts the surface of one of the interdigitating grooved rollers of the pair of said at least one interdigitating grooved rollers for at least one-fourth of a revolution before entering the nip between said pair of interdigitating grooved rollers.

30. (New) The film composite of claim 25 wherein the composite contacts the surface of one of the interdigitating grooved rollers of the pair of said at least one interdigitating grooved rollers for at least one-fourth of a revolution before entering the nip between said pair of interdigitating grooved rollers.

31. (New) The film composite of claim 26 wherein the composite contacts the surface of one of the interdigitating grooved rollers of the pair of said at least one interdigitating grooved rollers for at least one-fourth of a revolution before entering the nip between said pair of interdigitating grooved rollers.

32. (New) The film composite of claim 19 wherein the initial starting width of the film

composite is 0.9 to about 0.25 times the stretched width of said film composite after passing through said at least one pair of interdigitating grooved rollers.

33. (New) The film composite of claim 25 wherein the initial starting width of the film composite is 0.9 to about 0.25 times the stretched width of said film composite after passing through said at least one pair of interdigitating grooved rollers.

34. (New) The film composite of claim 26 wherein the initial starting width of the film composite is 0.9 to about 0.25 times the stretched width of said film composite after passing through said at least one pair of interdigitating grooved rollers.

35. (New) The film composite of claim 19 wherein the film composite is at least 160 degrees before the film enters the nip of said at least one pair of interdigitating grooved rollers.

36. (New) The film composite of claim 25 wherein the film composite is at least 160 degrees before the film enters the nip of said at least one pair of interdigitating grooved rollers.

37. (New) The film composite of claim 26 wherein the film composite is at least 160 degrees before the film enters the nip of said at least one pair of interdigitating grooved rollers.

38. (New) The film composite of claim 25 wherein the WVTR is greater than 1000 g/m²/day at 38°C and 90% relative humidity.

39. The film composite of claim 25 wherein at least said first layer has been embossed to impose thereon a pattern of multiple film thickness prior to having been passed between said at least one pair of interdigitating rollers.

40. (New) The film composite of claim 25 wherein said polyolefin composition of said first polyolefin film is selected from the group consisting of polyethylene and polypropylene, and combinations thereof.

41. (New) The film composite of claim 40 wherein said polyolefin composition of said first polyolefin film further comprises a second polymer selected from the group consisting of elastomers and plastomers, and combinations thereof.

42. (New) The film composite of claim 41 wherein said elastomer is selected from the group consisting of styrene-isoprene-styrene and styrene-butadiene-styrene, and combinations thereof..

43. (New) The film composite of claim 26 wherein the WVTR is greater than 1000 g/m²/day at 38°C and 90% relative humidity.

44. The film composite of claim 26 wherein at least said first layer has been embossed to impose thereon a pattern of multiple film thickness prior to having been passed between said at least one pair of interdigitating grooved rollers.

45. (New) The film composite of claim 26 wherein said polyolefin composition of said first polyolefin film is selected from the group consisting of polyethylene and polypropylene, and combinations thereof.

46. (New) The film composite of claim 45 wherein said polyolefin composition of said first polyolefin film further comprises a second polymer selected from the group consisting of elastomers and plastomers, and combinations thereof.

47. (New) The film composite of claim 46 wherein said elastomer is selected from the group